Radiation Safety Section - Application for a Radiation Shielding Plan Review

1st Floor, Ottawa Building 611 W. Ottawa St. Lansing, MI 48933 – (517) 241-1989

Please complete this form and submit the form **with your radiation shielding plans and specifications** according to the guidelines listed below to the address listed above. Radiation shielding plans should be approved before construction and before operation of the x-ray equipment. Radiation Safety Section approval of the radiation shielding design does not imply local building code approval.

For assistance in proposing shielding, some general shielding guidance is available on our web site at http://www.michigan.gov/rss under Radiation Shielding Information

For use by Radiation Safety Section	ation Onio	ang iii	Omnatic	211							
lan review number: Facility registration number:											
A Landing of Brown and LV Brown	/ - \										
A. Location of Proposed X-Ray Room	(S)		☐ Send Results to this Addre								
Facility Name	Doctor's Name or Other Contact Name										
Address					Unit / Suite number						
City	State	Count	у	Zip Code		E-Mail					
Expected Date of Project Completion:		Radiation Machine Registration Certificate Number (If Already Registered)									
Telephone Number	elephone Number Fax				Cell Number						
()	()				()					
Certificate of Need Information X-ray installations that require a certificate of need (CON) include: megavoltage radiation therapy, C.T. scanners, cardiac catheterization, electrophysiology labs, and lithotripsy Does this project require a Certificate of Need? Yes No If Yes, CON#											
B. Submitter of Plan if Different than I	ndicated	in Part	Α.	Send Results to this Address							
Company Name				Contact Name							
Address				Unit / Suite Number							
City	State	Zip Co	ode	E-Mail							
Telephone Number	Fax	1				Cell Number					
()	()	()								
C. Facility Representative if Different	than Indic	Part A	rt A. Send Results to this Address								
Facility Name			Doctor's Name or Other Contact Name								
Address		Unit / Suite Number									
City	State	State County		Zip Code		E-Mail					
Telephone Number Fax ()	Cell Nu	ımber)		Radiation Machine Registration Certificate Number (If Already Registered)							
Submit radiation shielding plans and specifications with this form to:				For use by Radiation Safety Section Date received:							
Bureau of Health Systems, Radiation Safety S Michigan Department of Community Health 1 st Floor, Ottawa Building 611 W. Ottawa St. Lansing, Michigan 48933	Section										

D D	Purpose of Application										
_	Purpose of Application										
-	New X-Ray Room (New Construction)			ment in Existing		New Owner of an Existing X-Ray Facility					
			X-ray Roon	1	\	racilly					
E. I	ype of Facility										
	☐ Hospital		Radiology Office	☐ M.D. /	D.O.		Chiropractic				
	Podiatric		Veterinary	Dental			Industrial				
	☐ Educational		Other								
F. T	ype of Machine and Anticip	atec	l Workload								
	☐ Radiographic		Extremity Only	☐ Fluoros	scopic		CT Scanner				
	☐ Mammographic		Linear Accelerator		Catheterization		Educational				
	☐ Dental Cephalometric		Dental Tomographic		l Procedures						
_			Other	•							
		_									
Maxir	Maximum kilovoltage (kVp): Anticipated radiographic workload (mA-minutes per week):										
Maxir	mum milliamperage (mA):		OR Therapeutic wo	rkload (rads or cGy	per week at 1 mete	r):					
G. A	Attach Drawing of Room										
	Provide plans or blue prints										
	arger. Please verify that A	LL c	of these items are in	ncluded in your s	ubmittal. Incom	plete s	submittals will				
C	delay the plan review.										
	☐All x-ray equipment and access	3	□Compass	□Compass Direction							
	□Windows			□Exposure	□Exposure switch (exact location)						
	□Patient viewing window			□X-ray Tub	□X-ray Tube (and extent of movement)						
	□Wall cassette holder			☐The heigh	☐The height of the shielding installed						
	□X-ray table (including the extent of movement)			□Informatio	☐Information about the height of adjacent buildings						
	☐The exact location of all proposed shielding			□Informatio	☐Information pertaining to occupancy above and below						
	☐The thickness of the proposed shielding				□Building material thicknesses, if used for shielding						
	⊒Doors			(include arc	chitectural documen	itation)					
	⊒Operator's barrier										
 Specify proposed shielding, such as lead (note thickness), brick veneer, solid or hollow-core concrete block, cinder block, poured concrete, etc. Indicate the thickness and density of concrete and masonry materials. For corrugated concrete floors and ceilings that are used as shielding, include the MINIMUM concrete thickness and the density (or unit weight) of the concrete in pounds per cubic foot. 											
•	 Include a description of the occupancy and control of adjoining areas including above and below the x-ray room on the plans. 										
 Include a description of any area beyond an outside wall, such as lawn, parking lot, and sidewalk. For exterior walls, show distance to property line and to closest area where individuals may be present. 											
•	Include the distance to any n	nulti-	story buildings which a	re nearby.							
CT S	Scanners			-							
	Include a copy of the iso-exposuphysicist.	ire cu	irve normally provided	by the manufacture	r and calculations p	erforme	ed by a medical				
Line	ar Accelerators										
	For accelerator facilities, include calculations should address inst integrated weekly doses to adjac work and for other room penetra	antar cent	neous dose equivalent areas for worst-case o	rates, as would be roerating conditions.	measured with a rat Specify neutron shi	e-type s	survey meter, and				
Subm	nit radiation shielding plans and s	speci	fications with this		Radiation Safety Se						

form to:

Bureau of Health Systems, Radiation Safety Section
Michigan Department of Community Health

1st Floor, Ottawa Building
611 W. Ottawa St.
Lansing, Michigan 48933

are made which require re-evaluation of the plans. If there are any questions, please call (517) 241-1989.

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